



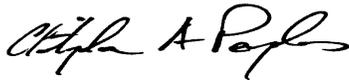
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

February 15, 2010

MEMORANDUM TO: Division Engineers

FROM: Christopher A. Peoples, PE 
State Materials Engineer

SUBJECT: Making, Storing and Transporting Concrete Cylinders

We continue to see improperly made, stored and cured concrete cylinders delivered to the Materials and Tests' laboratories for acceptance testing of concrete. In order to insure that the concrete being placed on NCDOT projects complies with the Department's specifications, valid sampling and handling processes must be followed. All concrete cylinders must be sampled, prepared and cured in accordance with AASHTO T-23. Whenever AASHTO T-23 is not followed, the concrete cannot be properly tested. This results in an investigation of the concrete member which in turn causes considerable delay and additional costs in the acceptance process.

To re-emphasize the importance of following proper practices, attached are recommended procedures for use of the 4"x8" plastic cylinder molds and the Department's policy regarding improperly made specimens that was first issued on September 9, 2003 by the State Materials Engineer.

Please share this information with all parties involved.

CAP/lj

cc: Jon Nance, PE
Ricky Greene, PE
Ron Hancock, PE
Bridge Construction Engineers
Roadway Construction Engineers
Randy Pace, PE